

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/598,954	06/22/2000	Keita Hara	1248-0505P-SP	5181	
75	90 09/20/2004		EXAM	INER	
Birch Stewart Kolasch & Birch LLP			ZHENG, EVA Y		
P O Box 747 Falls Church, VA 22040-0747			ART UNIT	PAPER NUMBER	
			2634		

DATE MAILED: 09/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application	No.	ာ-plicant(s)				
₩	09/598,954		HARA ET AL.				
Office Action Summary	Examiner		Art Unit				
	Eva Yi Zher	ng	2634				
The MAILING DATE of this communication Period for Reply	ation appears on the o	cover sheet with the co	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNIC - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communing the period for reply specified above is less than thirty (30) - If NO period for reply is specified above, the maximum statuent or reply within the set or extended period for reply w	ATION. 37 CFR 1.136(a). In no even incation. days, a reply within the statute tory period will apply and will II, by statute, cause the applic	t, however, may a reply be time ory minimum of thirty (30) days expire SIX (6) MONTHS from to attion to become ABANDONET	ely filed will be considered timely. he mailing date of this communication. 0 (35 U.S.C. § 133).				
Status							
1) Responsive to communication(s) filed on <u>03 June 2004</u> .							
2a) This action is FINAL . 2b) This action is non-final.							
,	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
closed in accordance with the practice	under Ex parte Qua	yie, 1935 C.D. 11, 45	3 U.G. 213.				
Disposition of Claims							
4) Claim(s) 1-23 is/are pending in the ap 4a) Of the above claim(s) is/are 5) Claim(s) is/are allowed. 6) Claim(s) 1-23 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction	withdrawn from cons						
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objecti			• •				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date 7.	TO/SB/08) 5	6) Other:					
PTOL-326 (Rev. 1-04)	Office Action Summary		Part of Paper No./Mail Date 9				

Application/Control Number: 09/598,954

Art Unit: 2634

DETAILED ACTION

Response to Arguments

- 1. Examiner's Objection to Abstract has been withdrawn due to amendment.
- 2. Examiner's Objection to Drawing has been withdrawn due to amendment.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- A) Regarding claim 1, recitation: "previous stage unit circuit, following stage unit circuit, and final stage unit circuit" are undefined and thus confusing as to which part of the filter circuit does it refers to.
- a) For instance, on line 6-10, recitation: "said computing means......b) a coefficient predetermined for each of said computing means" is confusing since it looks like "a following stage unit circuit" refers to the final stage unit circuit, but Examiner can not be sure. Therefore, "a following stage unit circuit" is unclear and need specific definition.
- b) On line 13-15, recitation: "assign a value......to obtain an added value" is confusing since phrase: "previous stage unit circuit" was not introduced anywhere else before in the claim. Previous of what unit circuit? Previous of the first, the

*

Application/Control Number: 09/598,954

Art Unit: 2634

second, or the final stage unit circuit? What is the previous stage unit circuit of the first stage unit circuit?

- B) Regarding claim 2, it renders the same problems as described in claim 1. In addition, on line 18-19, phrase: "previous stage" is unclear for what it refers to, and therefore a cumulative value from where is confusing.
- C) Regarding claim 3, it renders the same problems as described in claim 1 and 2.
- D) Regarding claim 4, it renders the same problem as described in claim 1.
- E) Regarding claim 5, it renders the same problem as described in claim1.

- H) Regarding claim 23, it renders to the same problems as described in claim 22.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Application/Control Number: 09/598,954

Art Unit: 2634

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Yi Zheng whose telephone number is (571) 272-3049. The examiner can normally be reached on 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571) 272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-879-9306.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Eva Yi Zheng Examiner Art Unit 2634

September 10, 2004

Sluges-

SHUWANG LIU PRIMARY EXAMINER